

Abstract

Emission values of pulse echo methods known to this point in time,
5 especially those, which are used in industrial measurements technology
for fill level measurements, frequently reach the allowable limit values.
To avoid possible radio permitting of such measuring devices, the
invention provides a method and a circuit for optimizing emission of
broadband transmission pulses of a pulse echo method, wherein the
10 transmission pulses are transmitted with a pre-selected pulse repetition
frequency. The method and circuit of the invention provide that the
polarity of a pulse is switched with each cycle of the pulse repetition
frequency, depending on a random sequence, or that individual pulses
are suppressed with each cycle of the pulse repetition frequency,
15 depending on a random sequence.

(Fig.

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